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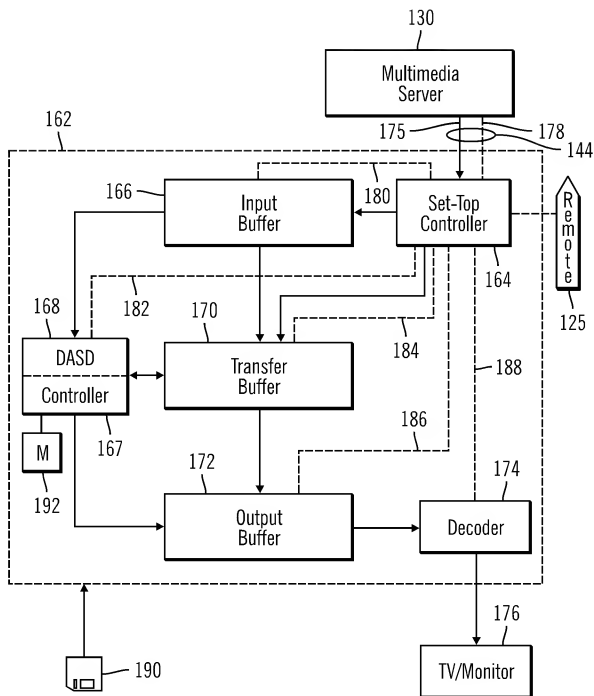


FIG. 1



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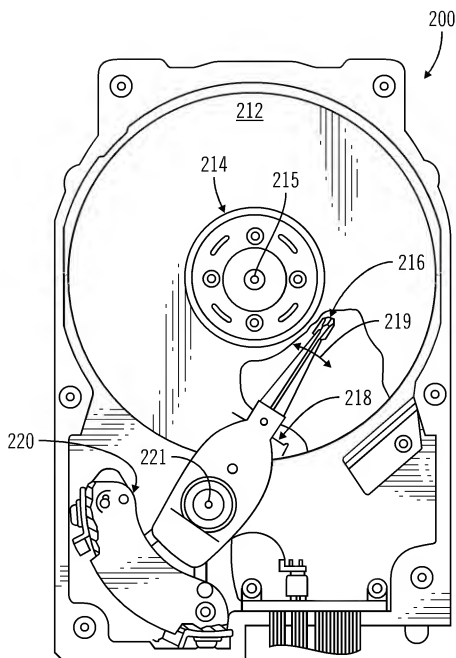


FIG. 2



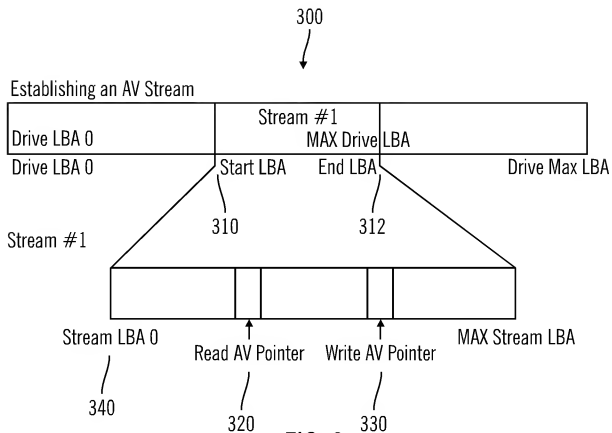


FIG. 3





FIG. 4

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	510	520	530
	Feature Register value	Feature Description	
	0Bh	Enable AV Stream mode	
	0Ch	Enable Read Continuous operation	
	0Dh	Enable Time-base ERP Limitation for Read	
	0Eh	Enable Time-base ERP Limitation for Write	
550	0Fh	Enable AV Write Cache	
540	8Bh	Disable AV Stream mode	
542	8Ch	Disable Read Continuous operation	
544	8Dh	Disable Time-base ERP Limitation for Read	
546	8Eh	Disable Time-base ERP Limitation for Write	
548	8Fh	Disable AV Write Cache	

FIG. 5



Register	7	6	5	4	3	2	1	0
Features	0Bh							
Sector Count	na							
Sector Number	na							
Cylinder Low	na							
Cylinder High	na							
Device/Head	obs	na	obs	DEV	na			
Command	EFh							

FIG. 6



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Register	7	6	5	4	3	2	1	0
Features	0Bh							
Sector Count	na							ER
Sector Number	na							
Cylinder Low	na							
Cylinder High	na							
Device/Head	obs	na	obs	DEV	na			
Command	EFh							

FIG. 7



800								
↓								
810								
Register	7	6	5	4	3	2	1	0
Features	0Dh							
Sector Count	na							
820 Sector Number	na							
Cylinder Low	Maximum time in milliseconds (lsb)							
Cylinder High	Maximum time in milliseconds (msb)							
830 Device/Head	obs	na	obs	DEV	na			
Command	EFh							
822								
832								

FIG. 8





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900

910

Register	7	6	5	4	3	2	1	0
Features	0Eh							912
Sector Count	na							916
Sector Number	na						ER	916
Cylinder Low	Maximum time in milliseconds (lsb)							922
Cylinder High	Maximum time in milliseconds (msb)							922
Device/Head	obs	na	obs	DEV	na			
Command	EFh							932

914

926

930

FIG. 9



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1010	Register	7	6	5	4	3	2	1	0
	Features	na							
	Sector Count	na							
	Sector Number	na							
	Cylinder Low	na							
	Cylinder High	na							
	Device/Head	obs	na	obs	DEV	na			
	Command	FAh							

FIG. 10 1020

1110

Register	7	6	5	4	3	2	1	0
Error	na	na	na	na	na	ABRT	na	na
Sector Count	na							
Sector Number	na							
Cylinder Low	na							
Cylinder High	na							
Device/Head	obs	na	obs	DEV	na			
Status	BSY	DRDY	DF	na	DRQ	na	na	ERR

1000

FIG. 11

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	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0				
0	Stream Number																			
1	Link Stream Number																			
2	reserved												Lnk		Wp					
3	reserved																			
4	Stream Starting LBA																			
5	1240																			
6																				
7																				
8	Stream Ending LBA																			
9	1242																			
10																				
11																				
...	...																			
255	reserved																			

FIG. 12

	1300								
Register	7	6	5	4	3	2	1	0	
Features	na								
Sector Count	na								
Sector Number	na								
Cylinder Low	na								
Cylinder High	na								
Device/Head	obs	na	obs	DEV	na				
Command	FAh								

FIG. 13

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1400

Register	7	6	5	4	3	2	1	0
Error	na	na	na	na	na	ABRT	na	na
Sector Count	na							
Sector Number	na							
Cylinder Low	na							
Cylinder High	na							
Device/Head	obs	na	obs	DEV	na			
Status	BSY	DRDY	DF	na	DRQ	na	na	ERR

1410

FIG. 14

FIG. 14

Register	7	6	5	4	3	2	1	0
Features	AV Stream Number							
Sector Count	na							
Sector Number	na							
Cylinder Low	na							
Cylinder High	na							
Device/Head	obs	na	obs	DEV	na			
Command	FCh							

FIG. 15

1600

Register	7	6	5	4	3	2	1	0
Error	na	na	na	na	na	ABRT	na	na
Sector Count	na							
Sector Number	na							
Cylinder Low	na							
Cylinder High	na							
Device/Head	obs	na	obs	DEV	na			
Status	BSY	DRDY	DF	na	DRQ	na	na	ERR

1510

FIG. 16

13/17

1700

1710

Register	7	6	5	4	3	2	1	0
Error	na	na	na	na	na	ABRT	na	na
Sector Count	na							
Sector Number	na							
Cylinder Low	na							
Cylinder High	na							
Device/Head	obs	na	obs	DEV	na			
Status	BSY	DRDY	DF	na	DRQ	na	na	ERR

FIG. 17

FIG. 17

1820

1824

Register	7	6	5	4	3	2	1	0
Features	AV Stream Number							
Sector Count	Function Code							
Sector Number	LBA							
Cylinder Low	LBA							
Cylinder High	LBA							
Device/Head	obs	LB A	obs	DEV	LBA			
Command	C3h							

1822

FIG. 18

FIG. 18

1900

1920

Value in Sector Count	Action
0	Set the Read AV Pointer
1	Set the Write AV Pointer
2	Return the Read AV Pointer
3	Return the Write AV Pointer
4-255	Reserved

1910

1908

FIG. 19

2000 → 14/17

Register	7	6	5	4	3	2	1	0
Error	Stream Number							
Sector Count	Function Code							
Sector Number	LBA							
Cylinder Low	LBA							
Cylinder High	LBA							
Device/Head	obs	LBA	obs	DEV	LBA			
Status	BSY	DRDY	DF	na	DRQ	na	na	ERR

FIG. 20

2100 →

Register	7	6	5	4	3	2	1	0
Error	na	na	na	na	na	ABRT	na	na
Sector Count	na							
Sector Number	na							
Cylinder Low	na							
Cylinder High	na							
Device/Head	obs	na	obs	DEV	na			
Status	BSY	DRDY	DF	na	DRQ	na	na	ERR

FIG. 21

2200 →

Register	7	6	5	4	3	2	1	0	
Features	AV Stream Number								2220
Sector Count	Sector count								
Sector Number	Relative Address								
Cylinder Low	Relative Address								
Cylinder High	Relative Address								
Device/Head	obs	LB A	obs	DEV	Relative Address				2240
Command	CEh								

2230 FIG. 22

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2300

Register	7	6	5	4	3	2	1	0
Error	na							
Sector Count	na							
Sector Number	LBA							
Cylinder Low	LBA							
Cylinder High	LBA							
Device/Head	obs	na	obs	DEV	LBA			
Status	BSY	DRDY	DF	na	DRQ	na	PP	ERR

2310

FIG. 23

2400

Register	7	6	5	4	3	2	1	0
Error	ICRC	WP	MC	IDNF	MCR	ABRT	NM	na
Sector Count	na							
Sector Number	na							
Cylinder Low	na							
Cylinder High	na							
Device/Head	obs	na	obs	DEV	na			
Status	BSY	DRDY	DF	na	DRQ	na	na	ERR

FIG. 24

FIG. 24

2500

Register	7	6	5	4	3	2	1	0
Features	AV Stream Number							
Sector Count	Sector count							
Sector Number	Relative Address							
Cylinder Low	Relative Address							
Cylinder High	Relative Address							
Device/Head	obs	LB A	obs	DEV	Relative Address			
Command	CFh							

2520

2540

2510

FIG. 25

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2600

Register	7	6	5	4	3	2	1	0
Error	na							
Sector Count	na							
Sector Number	na							
Cylinder Low	na							
Cylinder High	na							
Device/Head	obs	na	obs	DEV	na			
Status	BSY	DRDY	DF	PP	DRQ	na	na	ERR

2610

FIG. 26

2700

2710

Register	7	6	5	4	3	2	1	0
Error	ICRC	WP	MC	IDNF	MCR	ABRT	NM	DFER
Sector Count	na							
Sector Number	LBA							
Cylinder Low	LBA							
Cylinder High	LBA							
Device/Head	obs	na	obs	DEV	LBA			
Status	BSY	DRDY	DF	na	DRQ	na	na	ERR

FIG. 27

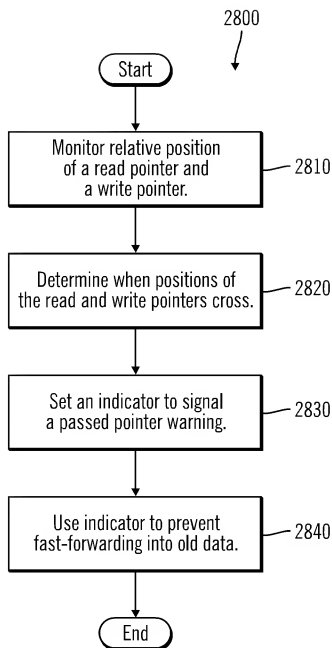


FIG. 28